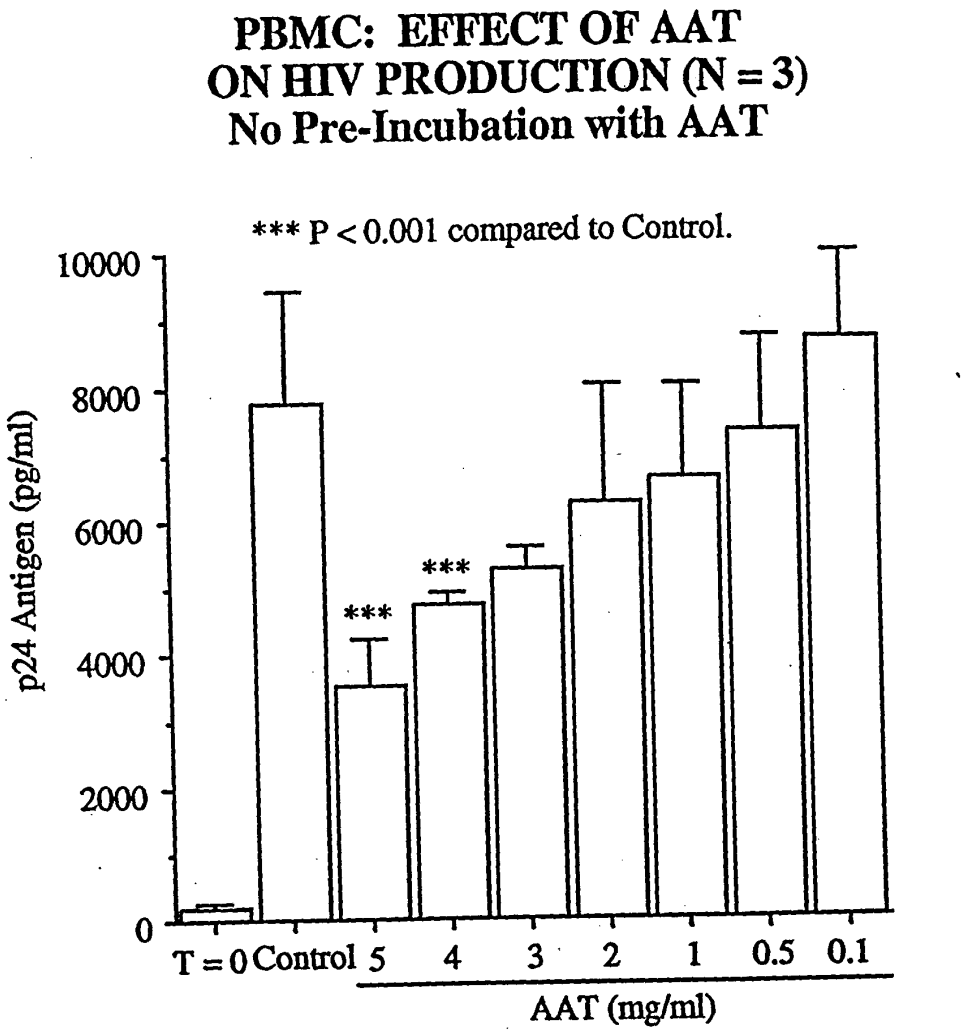
PBMC: EFFECT OF AAT
ON HIV PRODUCTION (N = 3)
No Pre-Incubation with AAT
*** P < 0.001 compared to Control.
p24 Antigen (pg/ml)
10000
8000
6000
4000
2000
0
***
***
T = 0
Control
5
4
3
2
1
0.5
0.1
AAT (mg/ml)

Fig. 1

PBMC: EFFECT OF AAT ON HIV PRODUCTION (N = 3) + Pre-Incubation with AAT (3 mg/ml) X 1 hr

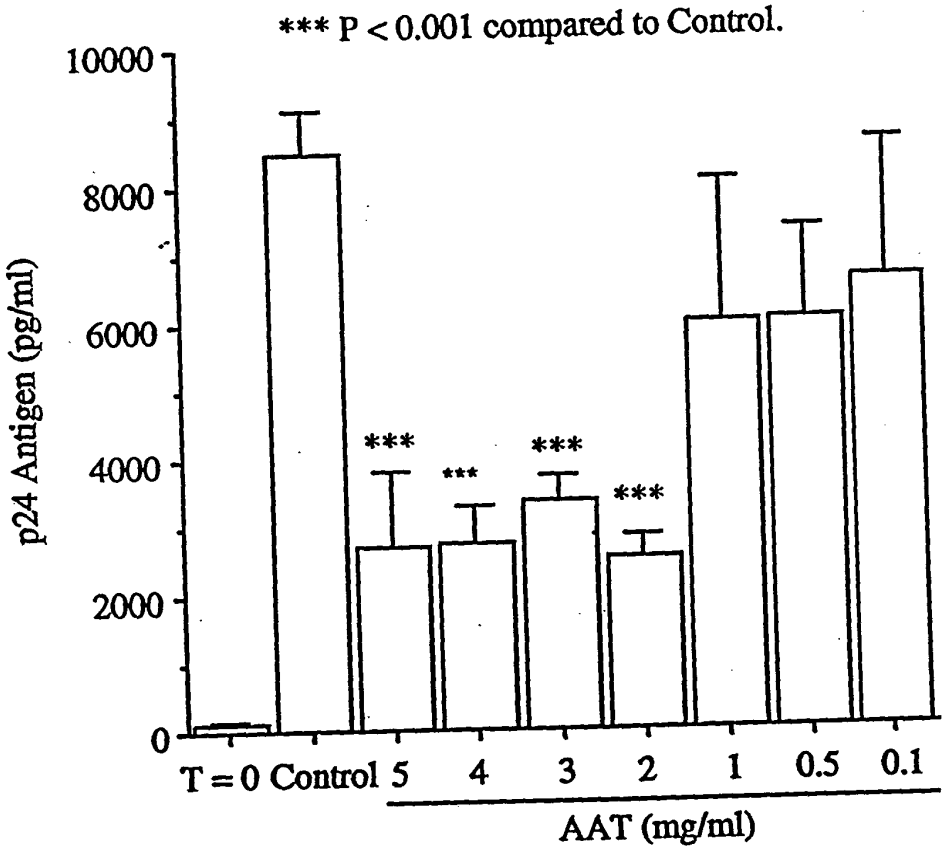

Fig. 2

MAGI CELLS: EFFECT OF AAT ON HIV INFECTIVITY (N = 2)

** P < 0.001 compared to + HIV
*P < 0.05 compared to + HIV

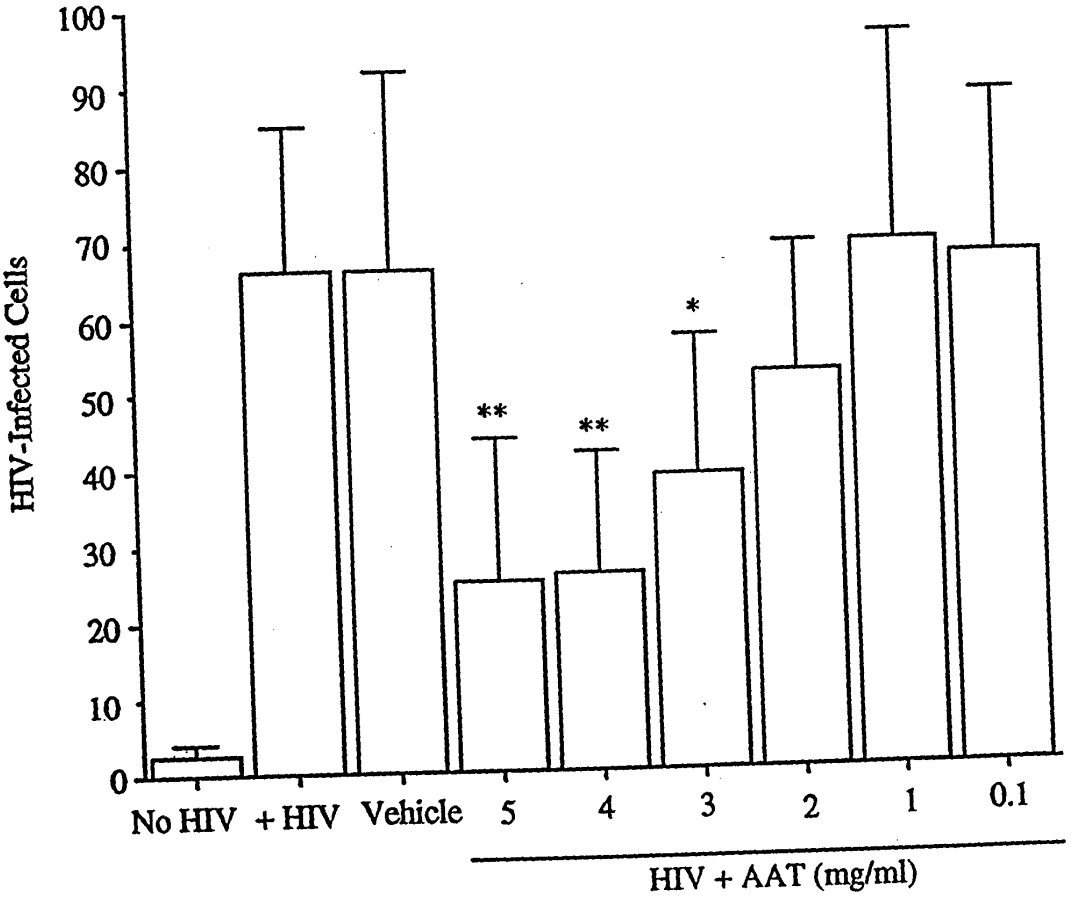

Fig. 3

MAGI CELLS: EFFECT OF FVYLI ON EARLY INFECTION EVENTS (N = 3)

MAGI (multinuclear activation of a galactosidase indicator)-CCR-5 cell line

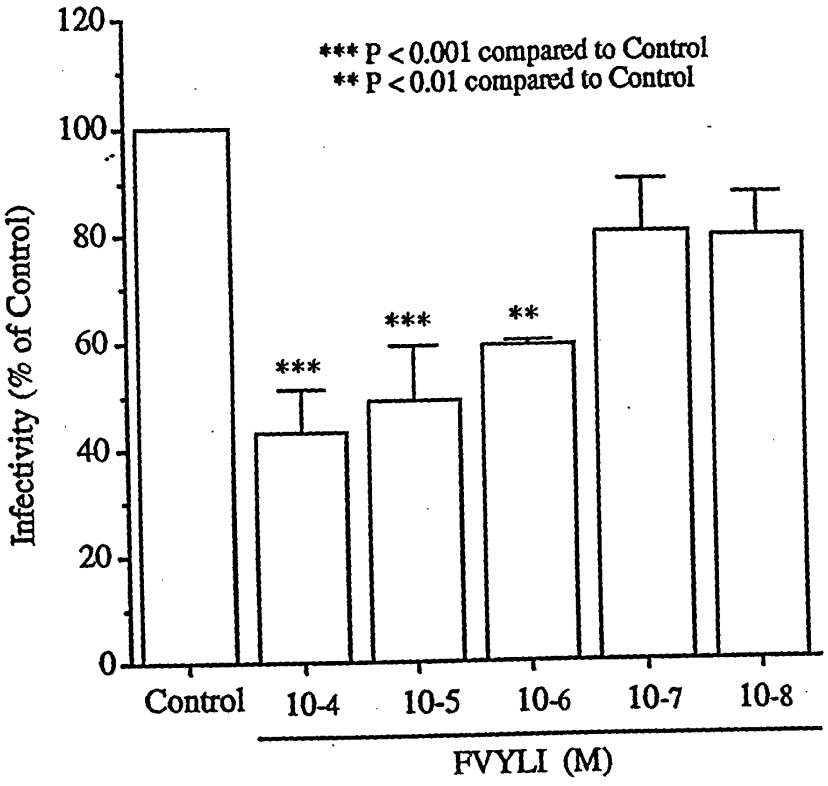

Fig. 4

U1 CELLS: EFFECT OF AAT ON IL-18-INDUCED HIV (N = 3)

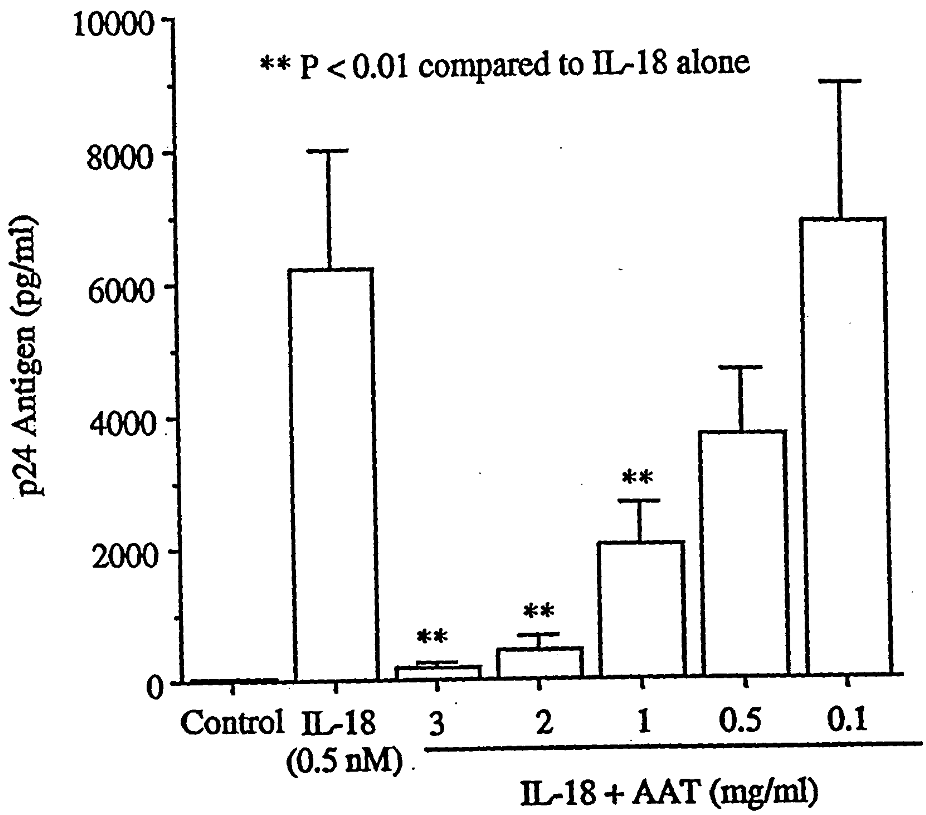

Fig. 5

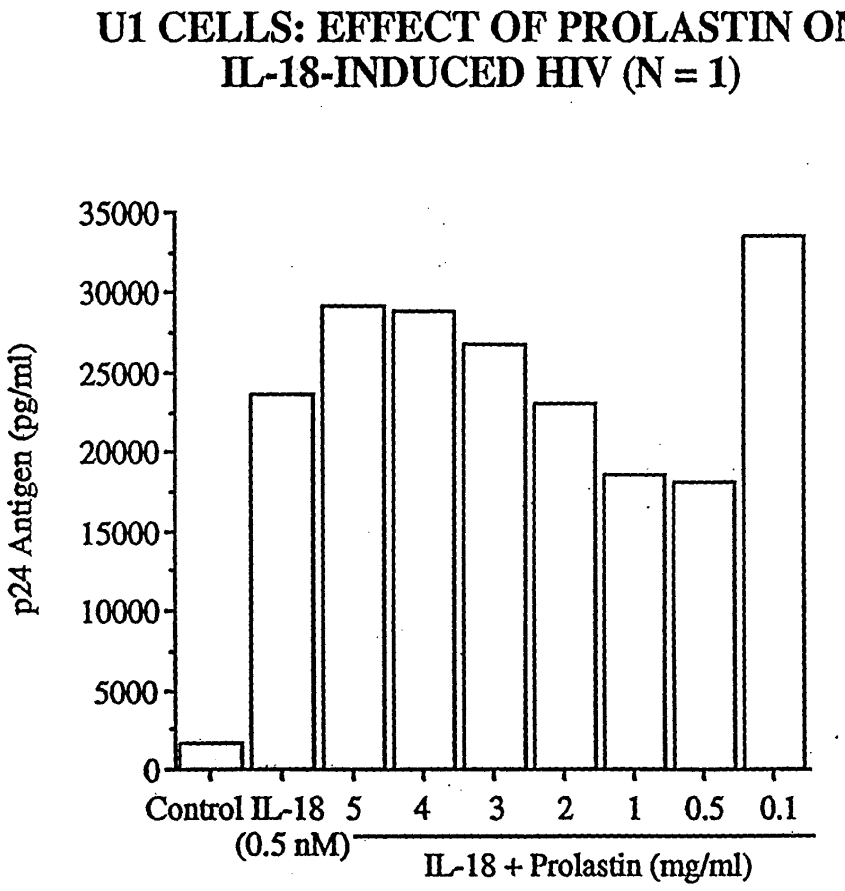
U1 CELLS: EFFECT OF PROLASTIN ON
IL-18-INDUCED HIV (N = 1)
p24 Antigen (pg/ml)
35000
30000
25000
20000
15000
10000
5000
0
Control
IL-18 (0.5 nM)
5
4
3
2
1
0.5
0.1
IL-18 + Prolastin (mg/ml)

Fig. 6

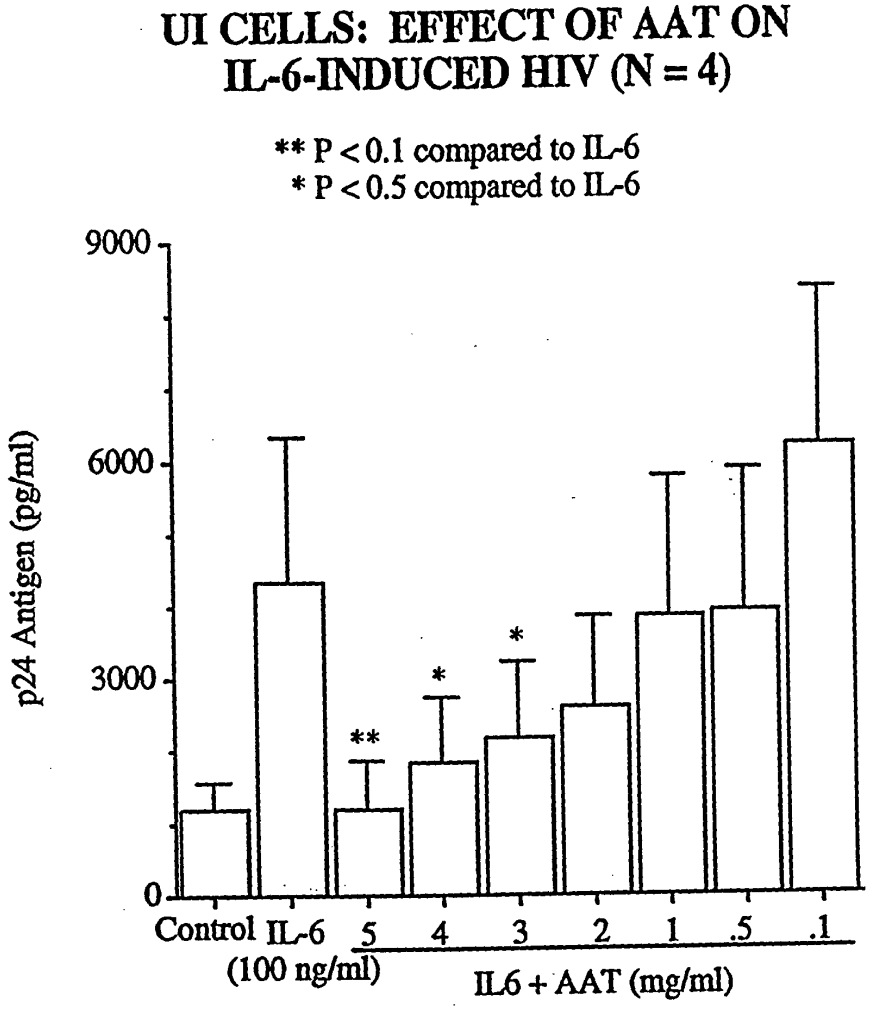
UI CELLS: EFFECT OF AAT ON
IL-6-INDUCED HIV (N = 4)
** P < 0.1 compared to IL-6
* P < 0.5 compared to IL-6
p24 Antigen (pg/ml)
9000
6000
3000
0
**
*
*
Control
IL-6
(100 ng/ml)
5
4
3
2
1
.5
.1
IL6 + AAT (mg/ml)

Fig. 7

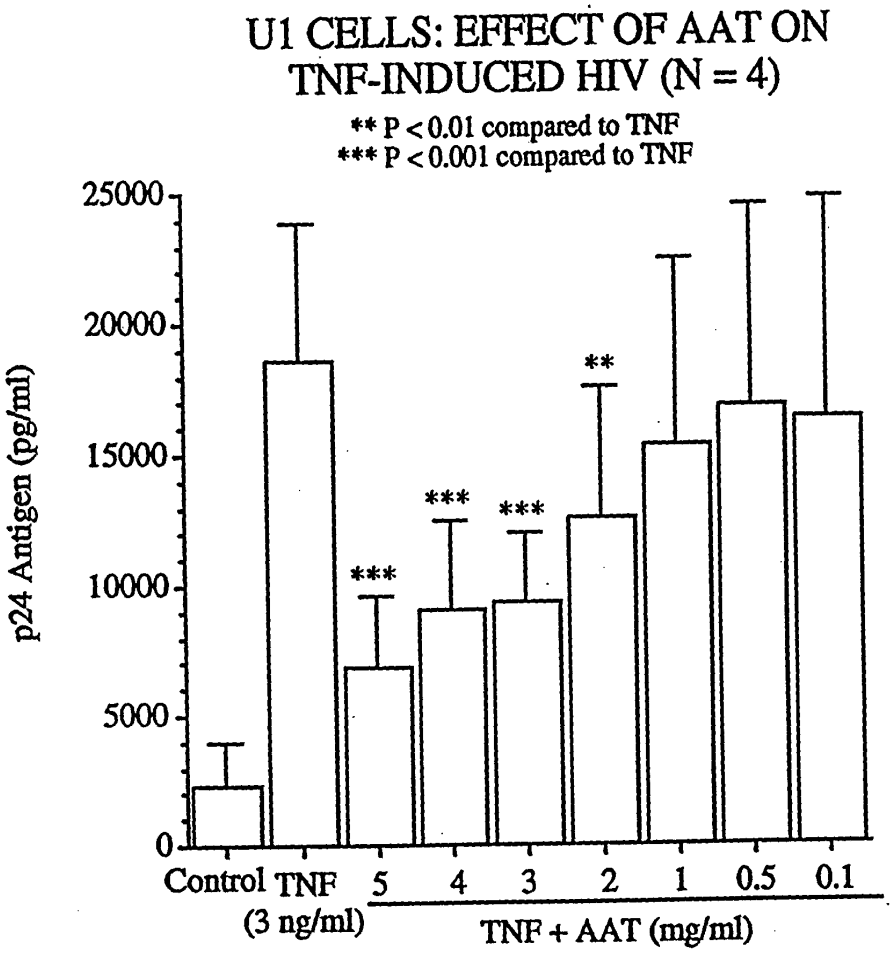
U1 CELLS: EFFECT OF AAT ON
TNF-INDUCED HIV (N = 4)
** P < 0.01 compared to TNF
*** P < 0.001 compared to TNF
p24 Antigen (pg/ml)
25000
20000
15000
10000
5000
0
***
***
***
**
Control
TNF
(3 ng/ml)
5
4
3
2
1
0.5
0.1
TNF + AAT (mg/ml)

Fig. 8

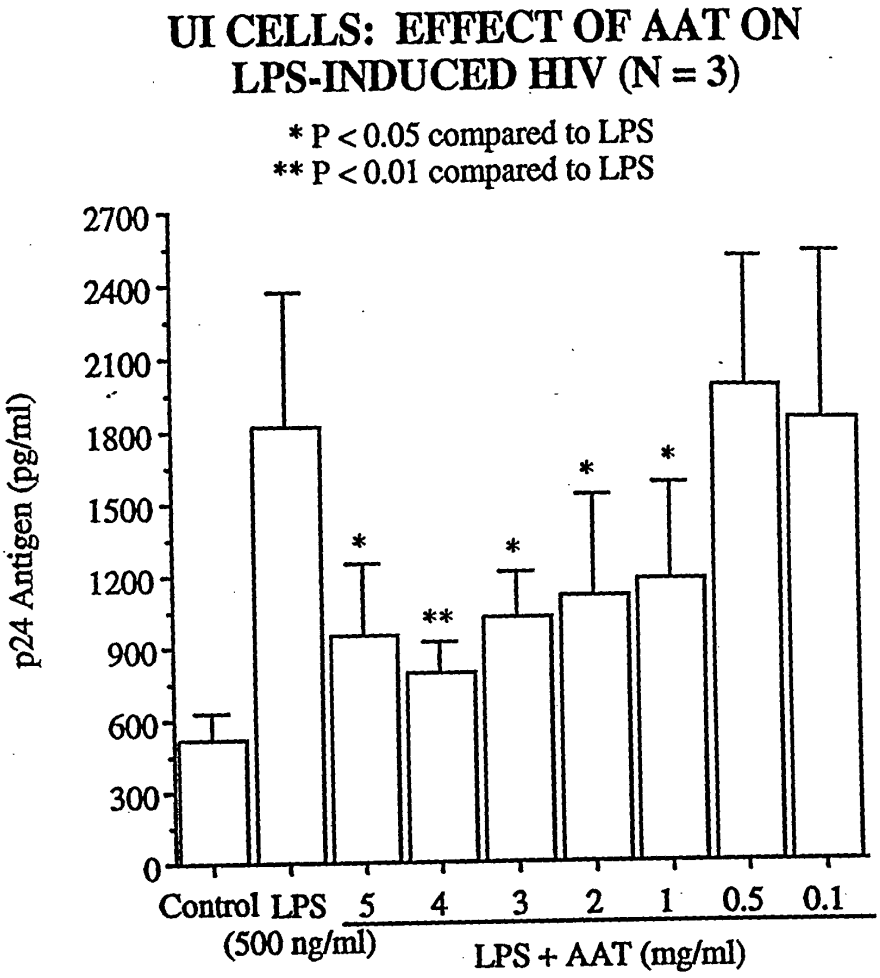
UI CELLS: EFFECT OF AAT ON
LPS-INDUCED HIV (N = 3)
* P < 0.05 compared to LPS
** P < 0.01 compared to LPS
p24 Antigen (pg/ml)
2700
2400
2100
1800
1500
1200
900
600
300
0
Control LPS (500 ng/ml)
5
4
3
2
1
0.5
0.1
LPS + AAT (mg/ml)

Fig. 9

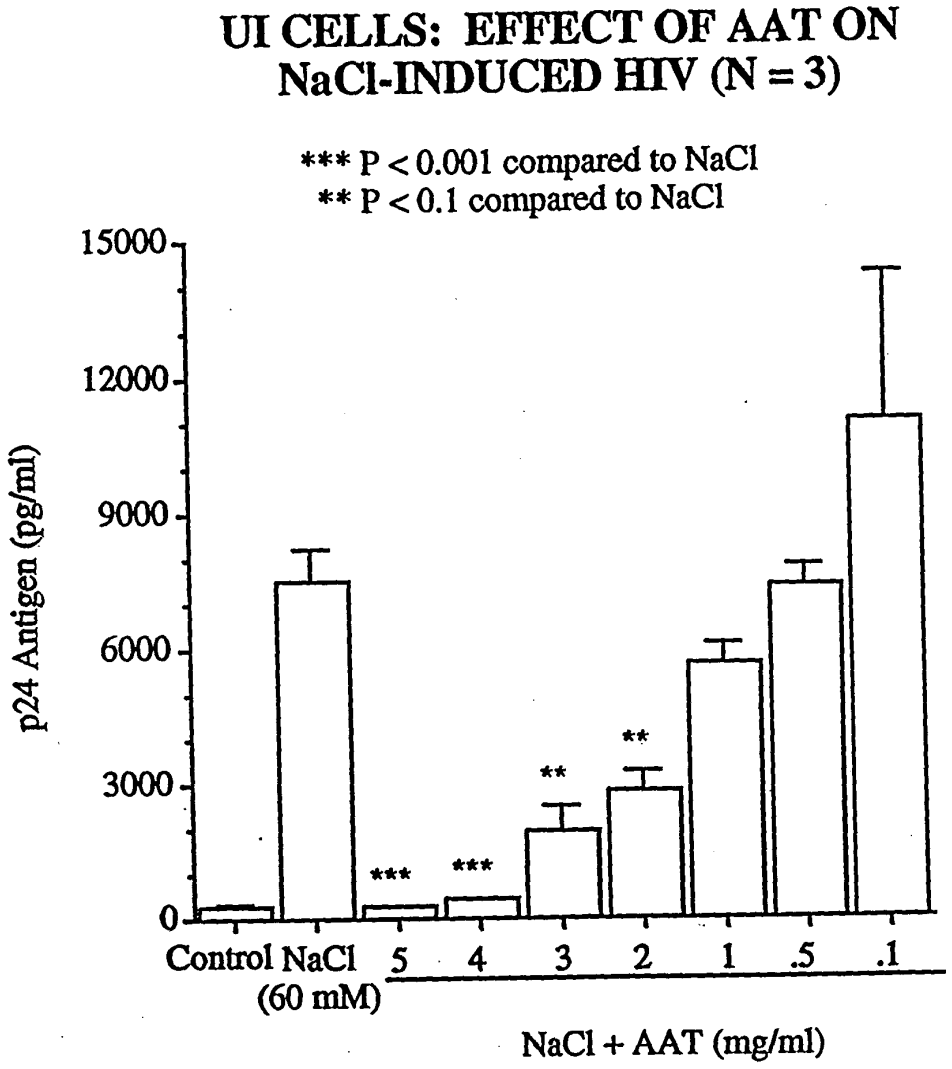
UI CELLS: EFFECT OF AAT ON NaCl-INDUCED HIV (N = 3)
*** P < 0.001 compared to NaCl
** P < 0.1 compared to NaCl
p24 Antigen (pg/ml)
15000
12000
9000
6000
3000
0
***
***
**
**
Control
NaCl (60 mM)
5
4
3
2
1
.5
.1
NaCl + AAT (mg/ml)

Fig. 10

U1 CELLS: EFFECT OF P3 inh ON IL-18-INDUCED HIV (N = 3)

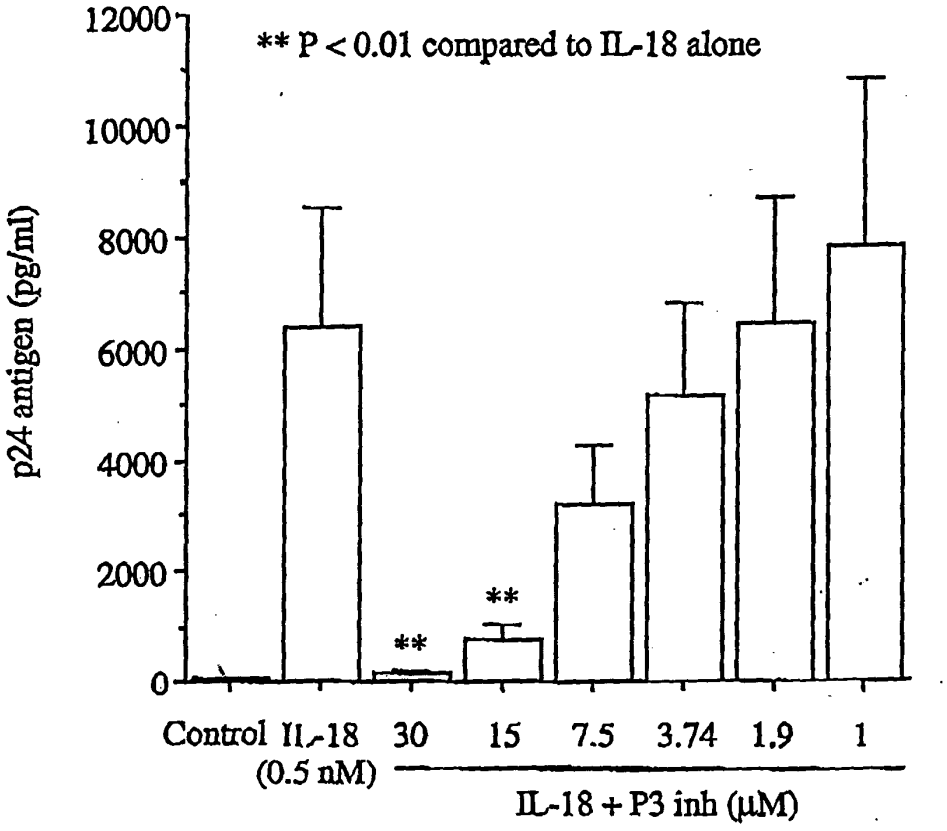

Fig. 11

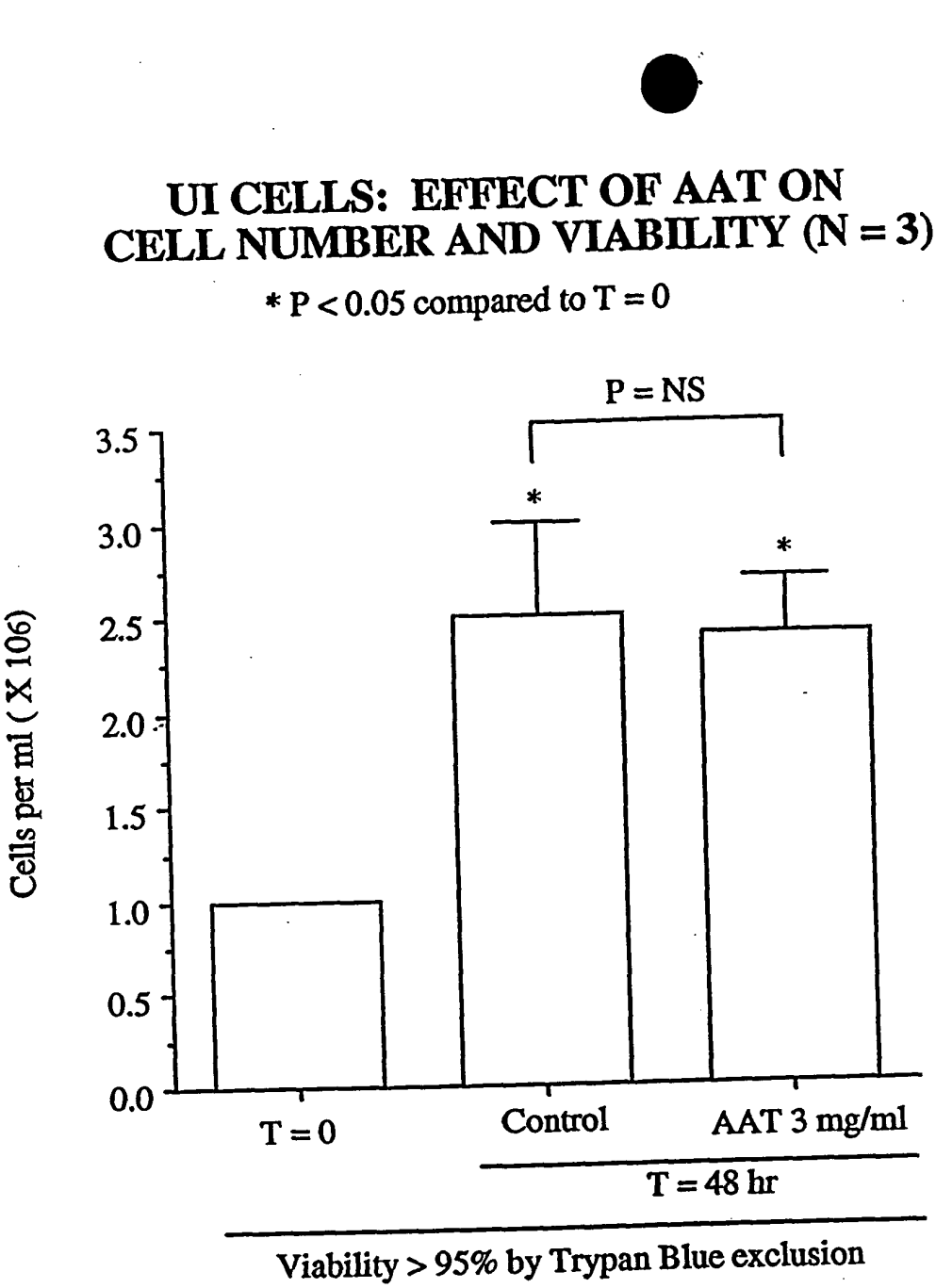
UI CELLS: EFFECT OF AAT ON
CELL NUMBER AND VIABILITY (N = 3)
* P < 0.05 compared to T = 0
P = NS
Cells per ml (X 106)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
*
*
T = 0
Control
AAT 3 mg/ml
T = 48 hr
Viability > 95% by Trypan Blue exclusion

Fig. 12

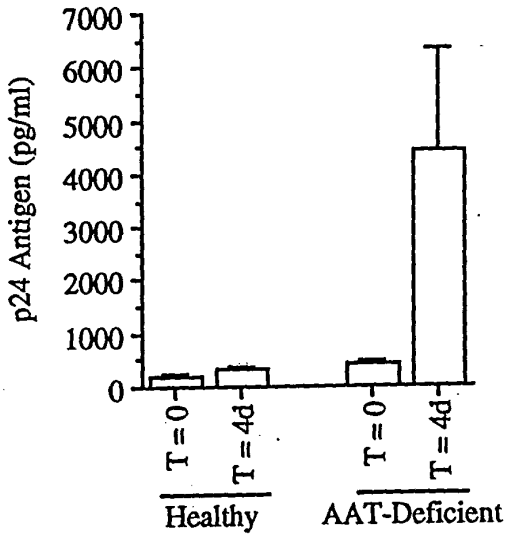
7000
6000
5000
4000
3000
2000
1000
0
p24 Antigen (pg/ml)
T = 0
T = 4d
T = 0
T = 4d
Healthy
AAT-Deficient

Fig. 13

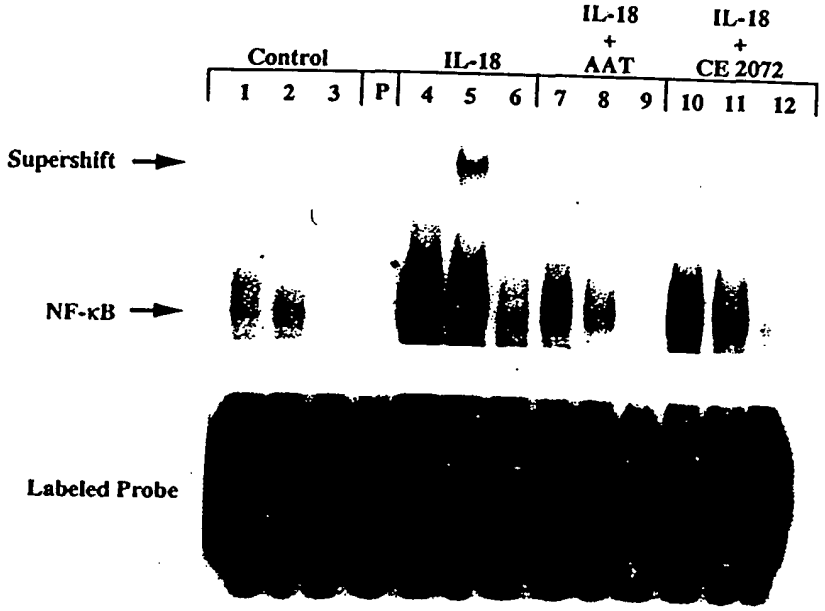
Control
IL-18
IL-18 + AAT
IL-18 + CE 2072
1 2 3 P 4 5 6 7 8 9 10 11 12
Supershift
NF-κB
Labeled Probe

Fig. 14